



Revised 02/20/01

Sheet 1 of 4

Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. S-94,652		Serial No. 09/862,855								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s) Peter M. Goodwin										
				Filing Date 5/21/01		Group 1637								
37 CFR 1.98(b)														
U.S. PATENTS DOCUMENTS														
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE		
TS			6	1	8	3	9	5	8	02/06/01	Stanton, Jr.	435	6	05/06/98
↓			6	0	0	4	7	4	4	12/21/99	Goelet et al.	435	5	10/11/91
			5	2	7	4	2	4	0	12/28/93	Mathies et al.	250	458.1	02/24/92
			5	4	3	6	1	3	0	07/25/95	Mathies et al.	436	6	10/26/93
			5	6	5	2	0	9	9	07/29/97	Conrad	435	6	08/18/94
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FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	COUNTRY	CLASS	SUB CLASS	Translation YES NO		
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)														
TS	✓ Cai et al., (2000) "Flow cytometry-based minisequencing: A new platform for high-throughput single-nucleotide polymorphism scoring," <i>Genomics</i> 66, 135-143.													
↓	✓ Davidson S. (2000) "Research suggests importance of haplotypes over SNPs" <i>Nat. Biotech.</i> 18: 1134-1135.													
	✓ Drysdale C.M. et al. (2000) "Complex promoter and coding region beta(2)-adrenergic receptor haplotypes alter receptor expression and predict in vivo responsiveness" <i>PNAS</i> 97: 10483-10488.													
	✓ Taton, T.A. et al. (2000) "Haplotyping by force." <i>Nature Biotechnology</i> 18: 713-713.													
TS	✓ Wahlestedt C. et al. (2000) "Potent and nontoxic antisense oligonucleotides containing locked nucleic acids," <i>PNAS</i> 97: 5633-5638.													
EXAMINER:  /Teresa Strzelecka/								DATE CONSIDERED:  05/05/2006						
*EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.														



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37 CFR 1.98(b)

**OTHER DOCUMENTS** (Including Author, Title, Date, Place of Publication)

TS	✓ Wooley A.T. et al. (2000) "Direct haplotyping of kilobase-size DNA using carbon nanotubes probes," <i>Nature Biotechnology</i> 18: 760-763.
	✓ Brookes A.J. et al (1999), "The essence of SNPs," <i>Gene</i> 234:177-186.
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	✓ Kwok P. (1999). "Single nucleotide polymorphism libraries: Why and how are we building them?" <i>Molecular Medicine Today</i> 5:538-543.
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	✓ Vet, J. A. M. et al. (1999) "Multiplex detection of four pathogenic retroviruses using molecular beacons," <i>Proceedings of the National Academy of Sciences of the United States of America</i> 96(11): 6394-6399.
	✓ Vogelstein, B. (1999) "Digital PCR," <i>PNAS</i> 96(16): 9236-9241.
	✓ Cai, H. et al. (1998). "Flow cytometry-based hybridization and polymorphism analysis," <i>Proc. SPIE</i> 3256: 171-177.
TS	✓ Koshkin, A.A. et al. (1998) "LNA (Locked Nucleic Acids): synthesis of the adenine, cytosine, guanine, 5-methylcytosine, thymine and uracil bicyclonucleoside monomers, oligomerisation, and unprecedented nucleic acid recognition" <i>Tetrahedron</i> 54: 3607-3630.

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TS	✓	Kostrikis, L. G. et al. (1998). "Molecular beacons : Spectral genotyping of human alleles," <i>Science</i> 279(5354): 1228-1229.			
	✓	Landegren, U. et al. (1998). "Reading bits of genetic information : methods for single-nucleotide polymorphism analysis," <i>Genome Research</i> 8(8): 769-776.			
	✓	Luthra, R. et al. (1998) "Novel 5'-exonuclease-based real-time PCR assay for the detection of T(14-18)(Q32-Q21) in patients with follicular lymphoma," <i>American Journal of Pathology</i> 153(1): 63-68.			
	✓	Tyagi, S. et al. (1998) "Multicolor molecular beacons for allele discrimination," <i>Nature Biotechnology</i> 16(1): 49-53.			
	✓	Castro, A. et al. (1997). "Single-molecule detection of specific nucleic-acid sequences in unamplified genomic DNA," <i>Analytical Chemistry</i> 69(19): 3915-3920.			
	✓	Castro, A. et al. (2000). "Ultrasensitive, direct detection of a specific DNA sequence of <i>Bacillus anthracis</i> in solution," <i>The Analyst Communication</i> 125: 9-11.			
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	✓	Ha, T. et al. (1996) "Probing the interaction between two single molecules: Fluorescence resonance energy transfer between a single donor and a single acceptor," <i>Proc. Natl. Acad. Sci.</i> 93: 6264-6268.			
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	✓	Syvanen, A.C. et al. (1997) "Minisequencing: a specific tool for DNA analysis and diagnostics on oligonucleotide arrays" <i>Genome Res.</i> 7: 606-614.			
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	✓	Keller, R. A. et al. (1996) "Single-molecule fluorescence analysis in solution." <i>Applied Spectroscopy</i> 50(7): A12-A32.			
↓	✓	Kinjo, M. et al. (1995) "Ultrasensitive hybridization analysis using fluorescence correlation spectroscopy," <i>Nucleic Acids Research</i> 23(10): 1795-1799.			
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(Modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

S-94,652

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09/862,855

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Applicant(s)

Goodwin et al.

Filing Date

5/21/01

Group

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37 CFR 1.98(b)

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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✓ Wittung, P. et al. (1994) "DNA-like double helix formed by peptide nucleic acid," *Nature* 368: 561-563.✓ Egholm, M., et al. (1993) "PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen bonding rules" *Nature* 365: 566-568.✓ Zhang L. (1992) "Whole genome amplification from a single cell: Implications for genetic analysis," *PNAS* 89:5847-5851.✓ Holland, P. M. et al. (1991) "Detection of specific polymerase chain-reaction product by utilizing the 5'-3' exonuclease activity of *Thermus-Aquaticus* DNA-polymerase," *PNAS* 88(16): 7276-7280.✓ Ruano, G. et al. (1990) "Haplotype of multiple polymorphisms resolved by enzymatic amplification of single DNA molecule," *PNAS* 87:6296-6300.✓ Shera, E.B. et al. (1990) "Detection of single fluorescent molecules," *Chemical Physics Letters* 174(6): 553-557.✓ Syvanen, A. C. et al. (1990) "A primer-guided nucleotide incorporation assay in the genotyping of apolipoprotein-E," *Genomics* 8(4): 684-692.

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✓ Landegren, U. et al. (1988) "A Ligase-mediated gene detection technique," *Science* 241(4869): 1077-1080.

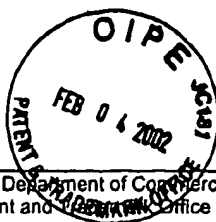
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/Teresa Strzelecka/

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Revised 10/01/01

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Applicant(s)  Peter M. Goodwin et al.				
		Filing Date May 22, 2001		Group 1637		
37 CFR 1.98(b)						
<b>U.S. PATENTS DOCUMENTS</b>						
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	Kostrikis, J. G. et al. Spectral Genotyping of Human Alleles. Science. 20 February 1998, Vol. 279, No. 20, pages 1228-1229. duplicate					
	Landegren, U. et al. Reading Bits of Genetic Information: Methods for Single-Nucleotide Polymorphism Analysis. Genome Research. 1998, Vol. 8, pages 769-771. duplicate					
	Goodwin, P.M. et al. Single-Molecule Detection in Liquids by Laser-Induced Fluorescence. Acc. Chem. Res. 1996, Vol. 29, pages 607-613. duplicate					
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Revised 03/29/02

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		Filing Date May 22, 2001		Group <del>1645</del> 1637										
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TS			6	3	5	5	4	2	0	03/12/02	Chan	435	6	08/13/98
TS			5	6	6	5	5	4	0	09/09/97	Lebo	435	6	11/29/93
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